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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
DI-5763 (112713-136) **SAD**

In Re Application Of: **Sternberg et al.**

**MAR 12 2002**

**# 4**

Serial No.  
**10/024,670**

Filing Date  
**December 14, 2001**

Examiner  
**Siefke**

Group Art Unit **1-2803**  
**AMS**

Title: **HYDROPHOBIC AMMONIA SENSING APPARATUS**

Address to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
DI-5763 (112713-136)

In Re Application: Sternberg et al.

Serial No.  
10/024,670

Filing Date  
December 14, 2001

Examiner

Group Art Unit

**HYDROPHOBIC AMMONIA SENSING APPARATUS**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 02-1818 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
- ☐ Credit any overpayment.
- ☒ Charge any additional fee required.

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**Certificate of Mailing by First Class Mail**

I certify that this document and fee is being deposited  
March 4, 2002 with the U.S. Postal Service  
as first class mail under 37 C.F.R. 1.8 and is  
addressed to the Assistant Commissioner for Patents,  
Washington, D.C. 20231

\_\_\_\_\_  
Signature of Person Mailing Correspondence

Robert Buccieri

\_\_\_\_\_  
Typed or Printed Name of Person Mailing Certificate

**\*This certificate may only be used if paying by deposit account.**

\_\_\_\_\_  
Signature

Dated: March 4, 2002

Robert M. Barrett (Reg. No. 30,142)  
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P.O. Box 1135  
Chicago, Illinois 60690

CC:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Sternberg et al.  
Appl. No.: 10/024,670  
Filed: December 14, 2001  
Title: HYDROPHOBIC AMMONIA SENSING APPARATUS  
Art Unit:  
Examiner: Unknown  
Docket No.: DI-5763 (112713-136)

Assistant Commissioner for Patents  
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 37 C.F.R. 1.97, and 37 C.F.R. 1.98, Applicants request that a citation and examination of the references cited below, and on the attached PTO-1449 form, copies of which are enclosed, be made during the course of examination of the above-identified application for United States patent.

U.S. PATENT DOCUMENTS

<u>Document No.</u>	<u>Date</u>	<u>Inventor</u>
4,201,548	May 6, 1980	Tamaoku et al.
4,356,149	October 26, 1982	Kitajima et al.
4,621,643	November 11, 1986	New, Jr. et al.
4,661,246	April 28, 1987	Ash
5,268,145	December 7, 1993	Namba et al.
5,286,624	February 15, 1994	Terashima et al.
5,559,035	September 24, 1996	Jolly
5,882,937	March 16, 1999	Sauer et al.
6,013,529	January 11, 2000	Munkholm
6,051,437	April 18, 2000	Luo et al.
6,219,567 B1	April 17, 2001	Eggers et al.

**FOREIGN PATENT DOCUMENTS**

<u>Document No.</u>	<u>Date</u>	<u>Country</u>
61-225659	October 7, 1986	Japan
WO 97/30351	August 21, 1997	PCT

Foreign patent document 61-225659 Japan is not in the English language. An English abstract is enclosed for that document.

**OTHER DOCUMENTS**

Rhines, T., et al., "Simplex Optimization of a Fiber-Optic Ammonia Sensor Based on Multiple Indicators," Analytical Chemistry, Vol. 60, No. 1, January 1, 1988, pp. 76-81.

Werner, T., et al., "Ammonia-sensitive Polymer Matrix Employing Immobilized Indicator Ion Pairs," Analyst, Vol. 120, June 1995, pp. 1627-1631.

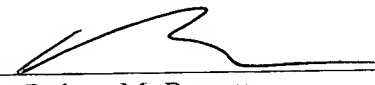
Kuswandi, B., et al., "A Simple Optical Flow Injection Ammonia Sensor," Analytical Letters, 31(3), (1998), pp. 395-410.

Applicants look forward to early and favorable consideration of this matter.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

BY



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Dated March 4, 2002



<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)  PTO Form 1449		Atty Docket No. DI-5763	Application No. 10/024,670
		Applicant Sternberg, et al.	
		Filing Date December 14, 2001	Group

U.S. PATENT DOCUMENTS							
Examiner's Initials		Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
		4,201,548	5-6-80	Tamaoku et al.			
		4,356,149	10-26-82	Kitajima et al.			
		4,621,643	11-11-86	New, Jr. et al.			
		4,661,246	4-28-87	Ash			
		5,268,145	12-7-93	Namba et al.			
		5,286,624	2-15-94	Terashima et al.			
		5,559,035	9-24-96	Jolly			
		5,882,937	3-16-99	Sauer et al.			
		6,013,529	1-11-00	Munkholm			
		6,051,437	4-18-00	Luo et al.			
		6,219,567 B1	4-17-01	Eggers et al.			

FOREIGN PATENT DOCUMENTS								
Examiner's Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
		61-225659	10-7-86	Japan				
		WO 97/30351	8-21-97	PCT				

Examiner's Initials	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Rhines, T., et al., "Simplex Optimization of a Fiber-Optic Ammonia Sensor Based on Multiple Indicators," Analytical Chemistry, Vol. 60, No. 1, January 1, 1988, pp. 76-81.
	Werner, T., et al., "Ammonia-sensitive Polymer Matrix Employing Immobilized Indicator Ion Pairs," Analyst, Vol. 120, June 1995, pp. 1627-1631.
	Kuswandi, B., et al., "A Simple Optical Flow Injection Ammonia Sensor," Analytical Letters, 31(3), (1998), pp. 395-410.

Examiner:	Date Considered:
*Examiner: Initial if citation considered, whether or not citation is in conformance with PEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	